

What is claimed is:

1. An overload clutch device for a power tool comprising an electric motor used to rotatably drive an insertion tool (12), the overload clutch device being provided with first and second corresponding clutch means (22, 26)

wherein

the first clutch means (26) is fixed to an output shaft (20) in a force-dependent manner.

2. The overload clutch device as recited in Claim 1,

wherein

the first clutch means (26) is formed by a clutch disk fixed to the output shaft (20) via a radial interference fit.

3. The overload clutch device as recited in Claim 1 or 2,

wherein

the second clutch means (22) is formed by a drive gear located on the output shaft (20).

4. The overload clutch device as recited in Claim 3,

wherein

the drive gear (22) engages with the first clutch means (26) via a driving feature (24).

5. The overload clutch device as recited in one of the preceding Claims,

wherein,

when the output shaft (20) is jammed and the second clutch means (22) is rotating, the first clutch means (26) is movable on the output shaft (20) in the circumferential direction.

6. The overload clutch device as recited in one of the preceding Claims,

wherein

the second clutch means (22) is fixed to the output shaft (20) with a clearance fit.

7. The overload clutch device as recited in one of the preceding Claims,

wherein

the first clutch means (26) is designed as a snap-in disk.

8. Clutch means for an overload clutch device as recited in one of the preceding Claims,

characterized by

a cross section configured as an annular segment with an opening (28).

9. The clutch means as recited in Claim 8,

wherein

the opening (28) does not exceed 25% of the circumference.

10. The clutch means as recited in Claim 8 or 9,

wherein

at least one snap-in opening (30) is provided on the circumference.

11. The clutch means for an overload clutch device as recited in one of the Claims 8 through 10,

wherein

a driving feature (24) projects outwardly from an end face (42).

12. The clutch means as recited in Claim 11,

characterized by

a body configured as a gear.

13. A power tool with an overload clutch device as recited in one of the Claims 1 through 7.